

**METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR
IMPLEMENTING LEVEL BIAS FUNCTION FOR BRANCH PREDICTION
CONTROL FOR GENERATING TEST SIMULATION VECTORS**

Abstract of the Disclosure

5 A method, apparatus and computer program product are provided for implementing a level bias function for branch prediction control for generating test simulation vectors. User selected options are received for a set of constraints for generating test simulation vectors for branch conditional instructions. Current resource values for predicting a branch for a branch conditional instruction are read. A branch operand field is generated to include a set of valid values using the current resource values and based upon said user selected constraints. The branch operand field defines conditions under which a branch is taken.

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